

3.3 WETLANDS

3.3.1 Wetland Mitigation Areas

Two WMAs were established as a condition of the waterways permits – WMA A (Figure 2) and WMA B (Figure 3). CEC visited these wetlands during the fall of 2010 to document the condition of wetlands.

Various wetland monitoring data were collected during the 2010 monitoring event to monitor performance of the WMAs. Six permanent photograph locations (1-6), seven plant community evaluation plots (A-G), and two wetland determination test site locations (TS-1, TS-2) were established at WMA A (Figure 2). In WMA B, four permanent photograph locations (7-10), two plant community evaluation plots (H, I), and two wetland determination test site locations (TS-3, TS-4) were established (Figure 3). Wetland plant community data and plant survival data are presented in Tables 1 and 2, respectively. Photographs 1-26 of the WMA's are provided in Appendix C and field data forms are provided in Appendix D. Collection of water chemistry samples is required to be completed during May and therefore was not performed during this monitoring event. Water chemistry monitoring will be resumed in May 2011.

3.3.2 Wetland Acreage

Four test sites were evaluated in the wetland mitigation areas (see data forms in Appendix B) to delineate the upland/wetland boundary. Observations recorded at the test sites are summarized in the following table.

Test Site	Photograph (Apdx. C)	Test Site Observations			Wetland Determination
		Hydrophytic Vegetation	Wetland Hydrology	Hydric Soil Conditions	
1	19, 20	Dominant	Present	Present	Palustrine Emergent Marsh
2	21, 22	Absent	Absent	Absent	Non-wetland
3	23, 24	Dominant	Present	Present	Palustrine Emergent Marsh
4	25, 26	Absent	Absent	Absent	Non-wetland